

### Claims

1. Electric drive arrangement with a stator (30) and with a rotor (31), whereby the stator (30) includes U-shaped stator blades (34) which form a cylindrical ring, and whereby the rotor (31) has permanent magnets (38, 39) which are arranged at pole ends of the stator blades (34) and form the cylindrical rotor elements (36, 37), wherein the U-shaped stator elements (34) of the stator (30) form two cylindrical rings (32, 33), whereby in each case one of the two rings (32, 33) is arranged at one side of the rotor (31) such that the rotor (31) is laterally surrounded by the two rings (32, 33).
2. Electric drive arrangement according to Claim 1, wherein the rotor elements (36, 37) which extend in the region of the pole ends of the U-shaped stator blades (34) of the stator (30), respectively have two rings of polarity-alternating permanent magnets (38, 39).
3. Electric drive arrangement according to Claim 2, wherein within a rotor element (36, 37), adjacent permanent magnets (38, 39) of a ring and adjacent permanent magnets (38, 39) of adjacent rings have a different polarity.
4. Electric drive arrangement according to Claim 2 or 3, wherein opposed permanent magnets (38, 39) of opposed rotor elements (36, 37) have a different polarity.
5. Electric drive arrangement according to one or more of Claims 1 to 4, wherein additional permanent magnets (40, 41) are arranged about the U-shaped stator blades (34) of the stator (30) and about the permanent magnets (38, 39) of the rotor (31) for magnetic centering of the rotor (31).